

Applicants: Pérez, et al.
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AMENDMENTS TO THE CLAIMS:

This listing of claims replaces the listing of claims in the application.

Listing of Claims:

CLAIMS

What is claimed is:

1. (Currently Amended) A Method method for antigen incorporation into bacterial outer membrane vesicles characterized by the formation of a complex between these antigens and outer membrane proteins from gram-negative bacteria, while maintaining intact the vesicle structure and comprising:
 - Dilution of the antigen to be incorporated in an aqueous solution containing detergents and sucrose
 - Homogenization of such a solution with the bacterial outer membrane protein preparation
 - Incubation of the homogenate for at least 4 hours, with stirring
 - Ultracentrifugation of the homogenate to recover the outer membrane vesicles containing the incorporated antigen
 - Suspending the pellet in an appropriate solution
2. (Original) The method according to claim 1, wherein the outer membrane protein preparation is obtained from gram-negative bacteria belonging to the *Neisseriaceae* family or from *Branhamella catarrhalis*
3. (Original) The method according to claim 2, wherein the outer membrane protein preparation is obtained from *Neisseria meningitidis* and *Neisseria lactamica*.
4. (Currently Amended) The method according to claim 1 any of the claims 1-3, wherein said protein antigen is of natural, recombinant or synthetic origin.

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5. (Original) A vaccine composition obtained according to claim 1, for its administration by parenteral or mucosal routes, comprising a complex formed by a protein antigen and a preparation of outer membrane proteins of gram-negative bacteria, being such complex generated by co-folding while maintaining intact the vesicle structure in combination with pharmaceutically acceptable excipients or carriers.
6. (Original) A vaccine composition according to claim 5, wherein the outer membrane protein preparation is obtained from gram-negative bacteria belonging to the *Neisseriaceae* family or from *Branhamella catarrhalis*.
7. (Original) A vaccine composition according to claim 6 wherein the outer membrane protein preparation is obtained from *Neisseria meningitidis* and *Neisseria lactamica*.
8. (Currently Amended) A vaccine composition according to claim 5 any of the claims 5-7 wherein said protein antigen is of natural, recombinant or synthetic origin.
9. (Currently Amended) A vaccine composition according to claim 5 claims 5-7, including also capsular bacterial polysaccharides.
10. (Currently Amended) A vaccine composition according to claim 5 claims 5-7, including also conjugated capsular bacterial polysaccharides.
11. (Currently Amended) A vaccine composition according to claim 5 claims 5-7, including also a nucleic acid as antigen.
12. (Currently Amended) A vaccine composition according to claim 5 claims 5-11 for its therapeutic or prophylactic use in humans.